

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	338	363/15.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/25 14:49
L2	217	1 and transformer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/25 14:49
L3	12	1 and transformer and ((no adj load) (load near2 dump))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/25 14:49
L4	6	1 and transformer and ((no adj load) (load near2 dump)) and inductor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/25 14:49
L5	1506	(363/22.ccls. 363/60.ccls. 363/127.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/25 14:49
L6	35	5 and transformer and ((no adj load) (load near2 dump)) and inductor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/25 15:33
L7	12	5 and transformer and ((no adj load) (load near2 dump)) and inductor and (boost booster boosted)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/25 14:50
L8	441	transformer and ((no adj load) (load near2 dump)) and inductor and (boost booster boosted) and (switch switched switching)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/25 14:50

## EAST Search History

L9	9	(transformer and (((no "not") near3 load)(load near2 dump)) and inductor).clm.	US-PGPUB	OR	ON	2006/05/25 15:34
L10	1835	307/64.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/25 15:36
S1	146229	(bi-directional bidirectional (bi adj directional))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 09:18
S2	4549	S1 and (boost boosted booster)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/15 15:17
S3	1001	S2 and inductor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/15 15:17
S4	611	S3 and transformer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/22 18:44
S5	563	S4 and (converter conversion)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/15 15:19
S6	47	S5 and (two-inductor or (two adj inductor))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 09:17
S7	18	S5 and (two-inductor or (two adj inductor)) same boost	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/15 15:29

## EAST Search History

S8	14	(two-inductor or (two adj inductor)) near5 (boost booster boosted) near5 (convert converter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/15 15:36
S9	11	S1 near5 isolated near5 ((dc adj dc) (dc-to-dc))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/15 15:36
S10	3050	(two-inductor or (two adj inductor))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 09:17
S11	146244	(bi-directional bidirectional (bi adj directional))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 10:55
S12	197	S10 and S11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 09:18
S13	75	((boost boosted booster) and buck and transformer and battery and ((fuel adj cell) fuel-cell fuelcell))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 10:56
S14	42154	((no-load) (no adj load))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 09:20
S15	6	S13 and S14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 10:21

## EAST Search History

S16	1	S15 and S12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 09:21
S17	1	S15 and S11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 09:22
S18	16	("4387421"   "4641232"   "4757434"   "4800478"   "4935859"   "4935860"   "4937720"   "4942511"   "4965709"   "5465011"   "5559685"   "5592371"   "5841644"   "6275392").PN. OR ("6654261"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/19 09:31
S19	0	S18 and complementary	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 09:32
S20	3	S15 and complementary	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 10:12
S21	673	((boost boosted booster) and buck and transformer and battery )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 10:21
S22	123	S21 and S14 not S15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 10:22
S23	6	S22 and S10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 10:22

## EAST Search History

S24	0	S23 and vehicle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 10:23
S25	15	S22 and vehicle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 10:27
S26	3827	(boost boosted booster) and transformer and battery	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 10:27
S27	109	S11 and S26 and S14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 11:02
S28	20	S27 and vehicle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 10:27
S29	3	S27 and ((fuel adj cell) fuel-cell fuelcell)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 11:02
S30	573	S11 and S26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 11:02
S31	210	S26 and ((fuel adj cell) fuel-cell fuelcell)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 11:03

## EAST Search History

S32	102	S31 and (stabilize stabilized balance balanced balancing stabilizing)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 15:05
S33	1	S32 and S10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 11:04
S34	46	S32 and S11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 11:16
S35	3	acpc same passive adj clamping	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 11:17
S36	3827	(boost boosted booster) and transformer and battery	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 15:05
S37	711	S36 and (stabilize stabilized balance balanced balancing stabilizing) and (controller)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 15:06
S38	146244	(bi-directional bidirectional (bi adj directional))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 15:06
S39	247	S37 and S38	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 15:13

## EAST Search History

S40	111	S39 and (rectifier and inverter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 16:11
S41	384	ground same (vehicle near2 chassis) same battery	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 16:11
S42	53	S41 and converter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 16:11
S43	11	S41 and (rectifier and inverter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 16:11
S44	860	323/222.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/19 17:09
S45	330	363/15.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/19 17:10
S46	670	363/60.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/19 17:10
S47	516	363/127.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/19 17:11

## EAST Search History

S48	1815	307/64.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/25 15:36
S49	12	inductor with boost\$3 and transformer and (drive with load) and (balancing with switches) and (DC with voltage)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/22 18:38
S50	153388	(bi-directional bidirectional (bi adj directional))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/22 18:46
S51	4863	S50 and (boost boosted booster)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/22 18:46
S52	1069	S51 and inductor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/22 18:46
S53	644	S52 and transformer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/22 18:46
S54	218	S53 and (balance balancing balanced) with (power voltage energy current)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/22 18:46